CAIS Rehabilitation and Improvement Costs (RIC) Part II

Introduction

CAIS allows for the input of Inspection Units (IUs) that are defined as either Deferred Maintenance or RIC. RIC IUs can stand by themselves unassociated with any other IUs. Frequently, however, a RIC item will have one or more deferred maintenance IUs associated with it. For example, suppose that you are upgrading a 50 ton chiller to 100 tons and there is already a deficiency to replace the 50 ton item. If you enter a new Inspection Unit under RIC for the 100 ton chiller, you will be double counting the 50 ton item under deferred maintenance. RIC Part II attempts to address the double counting issue.

Suggested Solution

When inputting a new Inspection Unit under RIC, RIC Button will be enabled. By clicking on this button, all Inspection Units (IUs), except for the current IU, for the Asset that have a Deferred Maintenance Flag of 'Yes' will be displayed. Any IUs for the Asset that have already been associated with different RIC Items will also be excluded from the list. The user will be able to select all IUs that apply to the RIC Item. The RIC cost for the RIC Item will equal the Official Cost minus the sum of the total Official Costs of the IUs associated with the RIC Item. All existing CAIS reports including the FIMS Export Report, will use the RIC cost for purposes of calculating the total RIC costs. When there are no deferred maintenance IUs associated with a RIC IU, the Official Cost and the RIC cost will be identical.

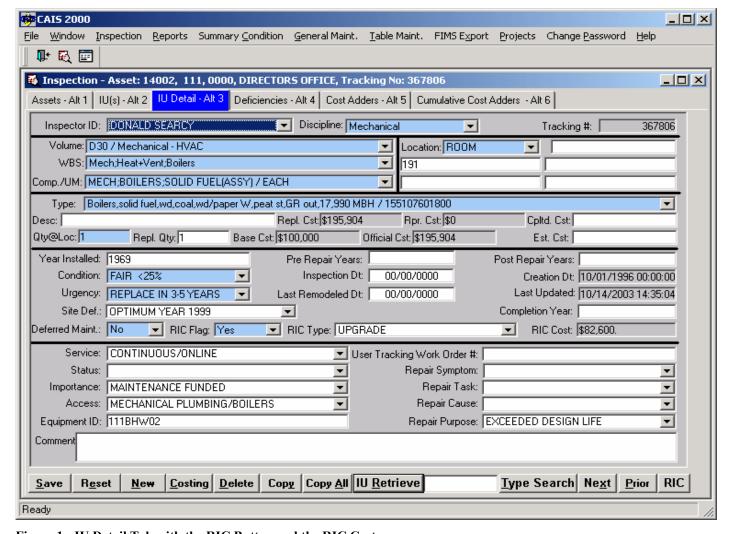


Figure 1: IU Detail Tab with the RIC Button and the RIC Cost

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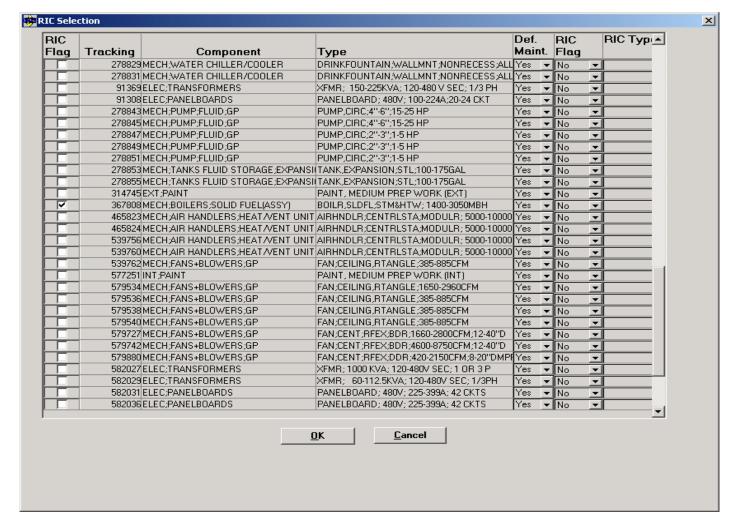


Figure 2: The RIC Popup Window

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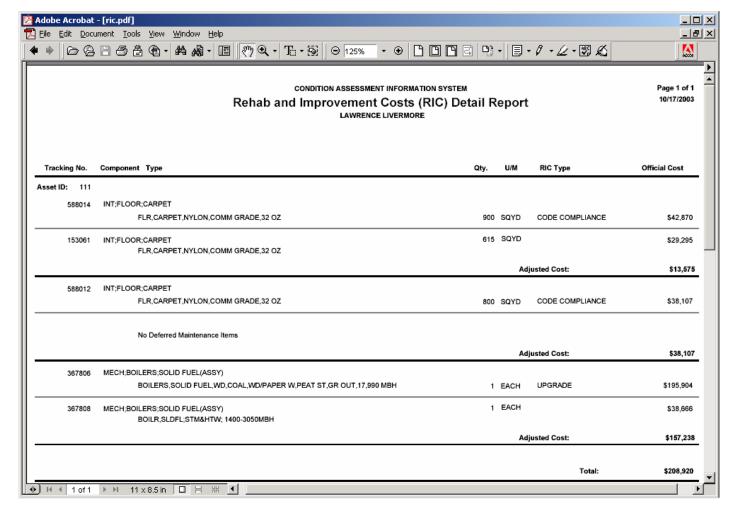


Figure 3: The RIC Detail Report

Functionality:

- The costing program will deduct the official cost for any selected Deferred Maintenance Inspection Units from the Official Cost of the RIC Inspection Unit to calculate the Modernization Cost.
- 2. If there are any Deferred Maintenance IUs associated with a RIC IU, they will be displayed with the checkbox checked with the RIC button is clicked.
- 3. A new RIC report will be developed to display all of the Deferred Maintenance IUs associated with the RIC IUs.

Assumptions:

Deficiencies to be associated with a RIC item must be for the same Asset.

Open Issues:

- 1. Should there be a new tab (RIC DM IUs) on the IU window that list the deferred maintenance IUs associated with the RIC IU?
- 2. Should Deferred Maintenance items that are for the same WBS as the RIC IU be available to be associated with the RIC Item or should all Deferred Maintenance items be available to be associated with the RIC Item?

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